

Docket No. AT9-98-908

### ABSTRACT OF THE DISCLOSURE

#### PROCESS AND SYSTEM FOR A CLIENT OBJECT TO PERFORM A REMOTE METHOD INVOCATION OF A METHOD IN A SERVER OBJECT

An adapter is generated by introspecting on the interfaces of an Enterprise JavaBean (EJB) running on a CORBA server. The adapter resides on the Java client-side and contains a remote proxy of the CORBA server that runs the EJB. The adapter is a Java class that implements the interfaces specified by the EJB for invoking its business methods. Adapters delegate all of the business method calls from the client to the CORBA proxy on the server and perform data marshalling from the Java client to the CORBA proxy and vice versa. Any business method calls made by the client to the adapter are delegated by the adapter to the CORBA proxy after appropriate data conversion. Thus, the adapter acts as transparent glue between the Java client and the EJB on the CORBA server. The method may be generalized for a client object and a server object implemented in different languages. An adapter may wrap an object reference for a server object. While attempting to invoke a method in a server object, a client object invokes a method within the adapter, which transparently uses the object reference to call a skeleton of the